

27 AVSPKTYKDADFVYVAPTQQDVNY__DLVDDFGANGNDTSD 64
 | | | | | | | | | | | | | | | |
 28 DTSEISEVPTELRAAASSFYTPFGQNVVRANKKNLVTDYGVNHNDQND 74
 ↓ ↓
 65 DSNALQRAINAISRKPNGGILLIPNGTYHFLGIQKSNVHIRVESDVIK 114
 | | | | | | | | | | | | | | | |
 75 DSSKLNLAIKDLS__DTGGILTLPGKGYLTKIRMRSNVHLEIEKGIVTY 122
 ↓
 115 PIWN GDGKNHRLFEVG__VNNIVRNFSFQGLGNGFLVDFKDSRDKNLAV 161
 | | | | | | | | | | | | | | | |
 123 PTKGLTPAKNHRIFDFASKTEEKIENASTIVGKGGKFTVDLRGNSSKNQIV 172
 ↓ ↓
 162 FKLGDVRNYKISNFTTIDNKTIFASILVDVTERNGRLHWSRNGIIERIKQ 211
 | | | | | | | | | | | | | | | |
 173 ADVGNVINFKISNFTTKDEKTI FASILVSFTDKAGN_AWPHKGIIENIDQ 221
 ↓ ↓ ↓
 212 NNALFGYGLIQTYGADNILFRNLHSEGGIALRMETDNLMLKNYKQGGIRN 261
 | | | | | | | | | | | | | | | |
 222 ANAHIGYGLIQAYAADNILFNNLSCTGGVTLRLETINLAMKTAKKGGVRD 271
 ↓
 262 IFADNIRCSKGLAAVMFGPHFMKNGDVQVINVSSVSCGSAVRSDSGFVEL 311
 | | | | | | | | | | | | | | | |
 272 IFATKIKNINGLTPVMFSPHFMEKNGKVTIDDVTAIGCAYAVRVEHGFIEI 321
 ↓
 312 FSPTDEVHTRQSWKQAVESKLGRGCAQTPYARGNGGTRWAARVT__OKD 358
 | | | | | | | | | | | | | | | |
 322 FDKGNRASA_DAFKNYIEGILGAGSVEVYKRNGRT_WAARIANDFNEA 369
 359 ACLDKAKLEYGIEPGSFGIVKVFDVTARF_GYNADLKQDQLDYFSTSNPM 407
 | | | | | | | | | | | | | | | |
 370 AYNHSNPAVSGIKPGKFATSKVINVKATYKGTGAKLKQAFLSYLPCSER_ 418
 ↓
 408 CKRVCLPTKEQWSKQGQIYIGPSLAAVID_TTPETSKYDYDVKTIFNVKRI 457
 | | | | | | | | | | | | | | | |
 419 SK_VCRPGPDGFE__YNGPSLGVTIINIKRINSLGNYNVNVSTSSVQ 462
 457 NFPVNSHKTIDINTIESSRVCNYY_GMSECSRSSRWER 491
 | | | | | | | | | | | | | | | |
 463 GFPNNYVLNVKYNT__PKVCNQNLG_SITSCN 491

FIG.1

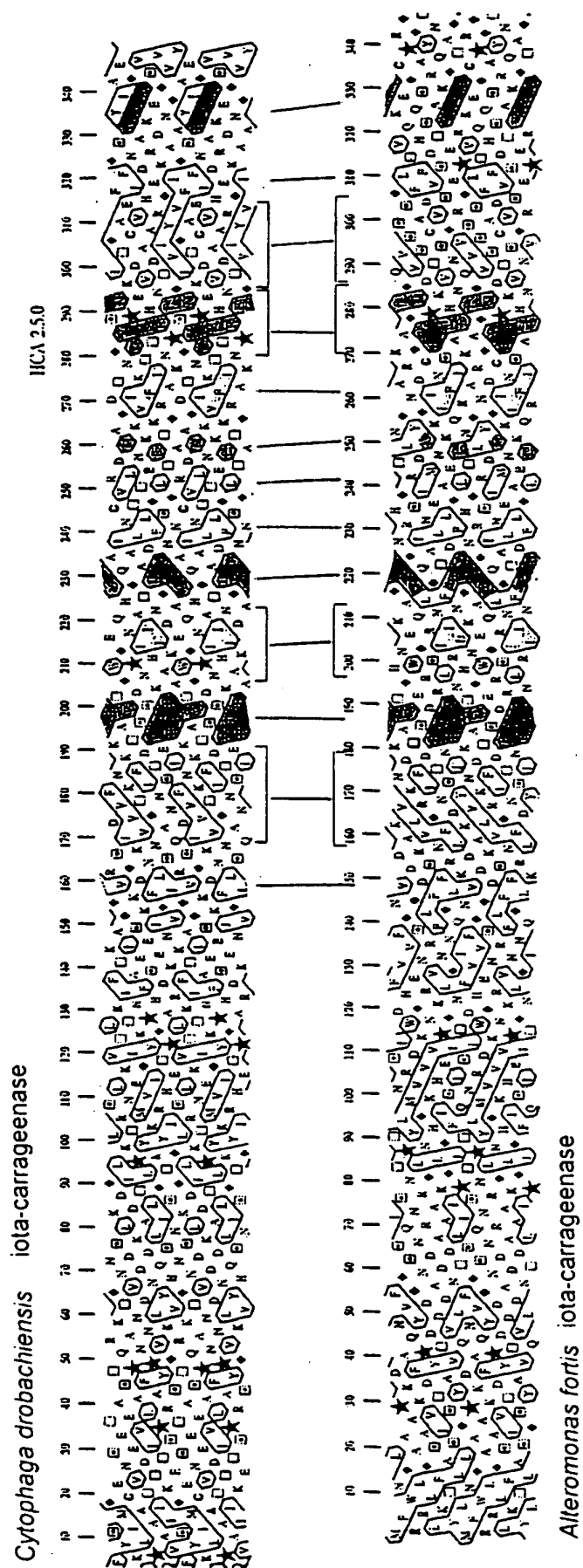


FIG. 2

Alleromonas carrageenovora kappa-carrageenase ·

ILCA 25.0

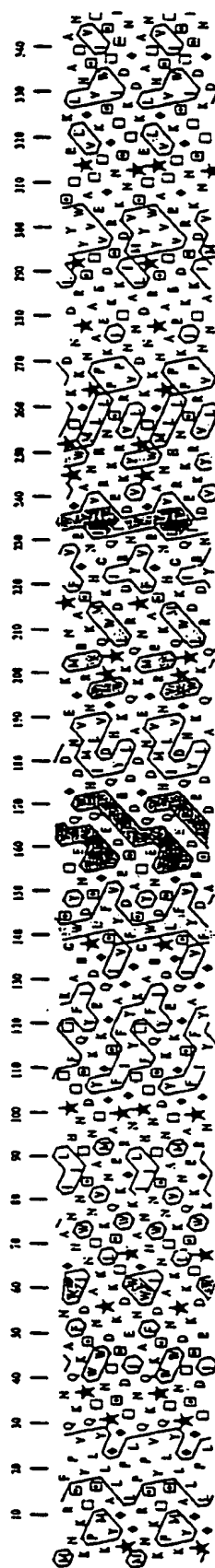
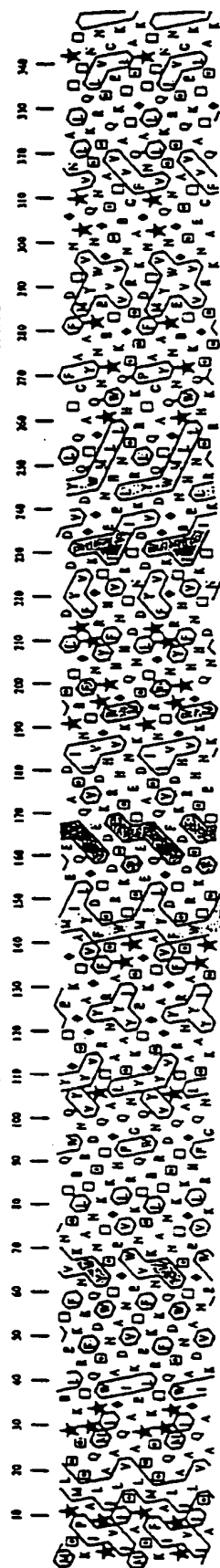


FIG. 4